

**PROGRAM:** Diagnostic and Intervention Technologies  
(Standards to be Developed)

**PROGRAM  
CIP CODE:** 51.0900

**DESCRIPTION:** The Diagnostic and Intervention Technologies program is composed of three options: Respiratory Therapy Technician, Emergency Medical Paramedics and Surgical Technician. Students completing this program will be prepared to participate in teams, solve problems, think critically and implement effective solutions. The program will be designed and delivered as a coherent sequence of experiences using technical instruction, academic foundations, experiential learning, supervised occupational experience, leadership and personal development through the Career and Technical Student Organization, HOSA.

These options will be designed to prepare high school students with the foundations in knowledge and technical skills needed to help prepare them to continue their education toward their chosen option by successfully completing an appropriate postsecondary program. Affiliations with local community college programs can provide high school students with dual or concurrent credit that can be applied toward their postsecondary certificate or degree.

**RECOMMENDED PROGRAM SEQUENCE OF COURSES:**

**Career  
Preparation  
Grades  
11-12**

The following describes a recommended sequence of courses. All the state-mandated Career Preparation standards are yet to be developed.

The Diagnostic and Intervention Technologies program consists of three options, each of which will have its own set of Career Preparation standards (standards to be developed). In the new delivery system, at least two Carnegie Units will be earned in the Career Preparation sequence of courses.

**Option A**

**51.0900.20** Fundamentals of Respiratory Therapy: This course, when developed, will help prepare students to continue their education toward becoming a Respiratory Therapy Technician by completing an appropriate postsecondary program.

-and-

**51.0900.25 Respiratory Therapy - Advanced Applications:** This course, when developed, will help prepare students to continue their education toward becoming a Respiratory Therapy Technician by completing an appropriate postsecondary program.

**-or-**

**Option B**

**51.0900.30 Fundamentals of Emergency Medical Paramedics:** This course, when developed, will help prepare students to continue their education toward becoming an Emergency Medical Paramedic by completing an appropriate postsecondary program.

**-and-**

**51.0900.35 Emergency Medical Paramedics - Advanced Applications:** This course, when developed, will help prepare students to continue their education toward becoming an Emergency Medical Paramedic by completing an appropriate postsecondary program.

**-or-**

**Option C**

**51.0900.40 Fundamentals of Surgical Technicians:** This course, when developed, will help prepare students to continue their education toward becoming a Surgical Technician by completing an appropriate postsecondary program.

**-and-**

**51.0900.45 Surgical Technicians - Advance Applications:** This course, when developed, will help prepare students to continue their education toward becoming a Surgical Technician by completing an appropriate postsecondary program.

**And program may elect to add:**

**51.0900.75 Diagnostic & Intervention Technologies - Internship:** This course provides students an opportunity to apply previously developed knowledge and skill into a structured work experience within the specific option they have studied. This work experience doesn't necessarily require classroom instruction, may be paid or unpaid, and is available for 12th graders.

**-or-**

**51.0900.80 Diagnostic & Intervention Technologies - Cooperative Education:** This course utilizes cooperative education methodology to combine school-based and supervised work-based learning identified for students within the specific option they have studied.

**TEACHER CERTIFICATION REQUIREMENTS FOR THE  
DIAGNOSTIC AND INTERVENTION TECHNOLOGIES PROGRAM**

**CAREER PREPARATION:** The instructor must be CTE certified according to the following table

Diagnostic and Intervention Technologies	CERTIFICATES	
	Types: (To Be Determined) Approved Areas: (To Be Determined)	Types: (To Be Determined) (To Be Determined)

**Note:**

- Diagnostic and Intervention Technologies, 51.0900.70 may be a part of the sequence and the teacher must hold a Cooperative Education Endorsement (CEN).
- Teacher/Coordinator 51.0900.75 is required to have a Cooperative Education Endorsement (CEN).
- Teacher/Coordinator 51.0900.80 is required to have a Cooperative Education Endorsement (CEN).

**CERTIFICATE ABBREVIATIONS FOR THE  
DIAGNOSTIC AND INTERVENTION TECHNOLOGIES PROGRAM**

Certificate Types (To Be Determined)	Approved Areas List (To Be Determined)

### **Diagnostic and Intervention Technologies Teacher Credentials**

The table below contains information on credentials for each of the Diagnostic & Intervention Technologies options. This is a comprehensive list for each of the options but is not exhaustive. As a result of removing certification and licensure requirements from the Career and Technical Education Health Careers teacher certification regulations, the Career and Technical Education Division of the Arizona Department of Education will do the following:

- Monitor of teacher qualifications through the new program Notification of Intent process;
- Include industry certification and licensure requirements in the “Handbook”;
- Provide industry certification and licensure requirements in curriculum frameworks; and
- Send yearly letters to school superintendents and principals providing industry certification and licensure requirement information.

<b>OPTIONS</b>	<b>TEACHER-PROFESSION</b>	<b>CREDENTIAL/ CREDENTIALING AGENCY</b>
Respiratory Therapy Technicians	(to be determined)	(to be determined)
Emergency Medical Paramedics	(to be determined)	(to be determined)
Surgical Technicians	(to be determined)	(to be determined)